# IAP13 Rec'd PCT/PTO 01 MAR 2007

T	RAN	NSMITTAL LETTER TO THE UNIT OFFICE (D CONCERNING A SUBMISS	CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER: 10259.0001					
				U.S. APPLICATION NO. if known, see 37 CFR 1.5( 10/584,988				
INTERNATIONAL APPLICATION NO. PCT/EP2004/053545			INTERNATIONAL FILING DATE December 16, 2004	INTERNATIONAL APPLICATION NO. December 30, 2003				
	TITLE OF INVENTION LOW POLARISATION MODE DISPERSION (PMD) OPTICAL FIBER LINK, AND METHOD FOR MAKING THE SAME							
	APPLICANT(S) FOR DO/EO/US							
Alexis DEBUT, Francesco SARTORI, and Martino TRAVAGNIN  Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:								
1.								
1. 2.	⊠	This is a FIRST submission of items concerning a filing under 35 U.S.C 371.  This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.						
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items						
	_	(5), (6), (9) and (21) indicated below.						
4.		The US has been elected (Article 31).						
5.		A copy of the International Application		D. January V				
			ed only if not communicated by the International B	sureau).				
			by the International Bureau.	- 05 (DOILIE)				
	_		olication was filed with the United States Receiving					
6.		An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).						
		a. is attached hereto.						
	_	b. has been previously submitted under 35 U.S.C. 154(d)(4).						
7.		Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
		a. are attached hereto (required only if not communicated by the International Bureau).						
		b.  have been communicated by the International Bureau.						
		C. have not been made; however, the time limit for making such amendments has NOT expired.						
	_	d. have not been made and will not be made.						
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
9.	⊠ —	An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).						
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Item	ıs 11 (	to 20 below concern document(s) or i	information included:					
11.	⊠	Information Disclosure Statement under 37 CFR 1.97 and 1.98						
12.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13.		A preliminary amendment.						
14.		An Application Data Sheet under 37 CFR 1.76.						
15.		A Substitute specification.						
16.		A power of attorney and/or change of address letter.						
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.						
18.		A second copy of the published International Application under 35 U.S.C. 154 (d)(4).						
19.		A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).						
20.	⋈	Other items or information:	Other items or information:					
		<ul> <li>a.</li></ul>						

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER				
10/584,988	PCT/EP2004/053545			10259.0001			
The following fees have been submitted:				CALCULATIONS	PTO Use Only		
21. BASIC NATIONAL FEE (37 CFR 1.492(a)):		\$300.00		\$			
22.							
If the Written opinion prepared by ISA/US or the Internationa by IPEA/US indicates all claims satisfy provisions of P All other situations	\$						
23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International prelim IPEA/US indicates all claims satisfy provisions of PCT Search fee (37 CFR 1.445(a)(2)) has been paid on the intern International Searching Authority International Search Report prepared by an ISA other than the previously communicated to the US by the IB All other situations	s						
TOTAL of 2	21, 22 and 23 =			\$			
Additional fee for specification and drawings filed in pape listing in compliance with 37 CFR 1.821(c) or (e) electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of	or computer program listing in	equence an					
Total Sheets Extra Sheets	Number of each additional		Rate				
- 100 = /50=	thereof (round up to a who	ie number)	x \$250.00	\$			
Surcharge of \$130.00 for furnishing any of the search fee, ex	amination fee, or the oath or de	eclaration after the da		\$130.00			
commencement of the national stage (37 CFR 1.492(h)).							
CLAIMS NUMBER FILED	NUMBER EXTRA	RATE					
Total Claims -20 Independent Claims -3	_	x \$50.00 x \$200.0		\$			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)	<u>- I</u>	+\$360.0		\$			
WOLTH EL DET ENDERT GEARWIGS (II applicable)	TOTA	L OF ABOVE CALC		\$130.00			
		L OF ABOVE CALC	JLATIONS =				
Applicant claims small entity status. See 37 CFR 1.27. F		\$					
		S	SUBTOTAL =	\$130.00			
Processing fee of \$130.00 for furnishing the English translating 1.492(i)).	e (37 CFR +	\$					
	ONAL FEE =	\$130.00					
Fee for recording the enclosed assignment (37 CFR 1.21 (h) cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.	ropriate +	\$	-				
		TOTAL FEES E	NCLOSED =	\$130.00			
	<del> </del>			Amount to be refunded:	\$		
				charged:	\$		
a. A check in the amount of \$ 130.00	to cover the above fe	es is enclosed.					
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.  33/05/2807 GFREY1 09880151 969916 1058498  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0916. A duplicate copy of this sheet is enclosed.  01 FC:1617 90.00 DA 40.00 OF							
d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a-petition to revive (37 CPR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:							
Finnegan, Henderson, Farabow, Garrett & Dunner-LLD  901 New York Avenue, N.W.  The PTO 4:1 SIGNATURE							
901 New York Avenue, N.W. Washington, DC 20001-4413  The PTO die not receive the following listed item(s)  SIGNATURE  Freet F. Chapman Red No. 25,961  NAME/REGISTRATION NUMBER							
insted item	II(8) Ernest F. I	GISTRATION NUMB	ER				
DATED: March 1, 2007	oney NAME/RE						

A MITTER ST. 87-877

#### TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED CUSTOMER NO. 22,852 OFFICE (DO/EO/US) ATTORNEY'S DOCKET NUMBER: **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** 10259.0001 U.S. APPLICATION NO. if known, see 37 CFR 1.5( 10/584.988 INTERNATIONAL APPLICATION NO. INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/EP2004/053545 December 16, 2004 December 30, 2003 TITLE OF INVENTION LOW POLARISATION MODE DISPERSION (PMD) OPTICAL FIBER LINK, AND METHOD FOR MAKING THE SAME APPLICANT(S) FOR DO/EO/US Alexis DEBUT, Francesco SARTORI, and Martino TRAVAGNIN Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items 3. (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)). is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. is not required, as the application was filed with the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. is attached hereto. a. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). 7. are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. C. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. An English language translation of the annexes of the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371 (c)(5)). Items 11 to 20 below concern document(s) or information included: Information Disclosure Statement under 37 CFR 1.97 and 1.98 11. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. A preliminary amendment. 13. An Application Data Sheet under 37 CFR 1.76. 14. 🗆 15. A Substitute specification. A power of attorney and/or change of address letter. 16. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. 17. 🗆 A second copy of the published International Application under 35 U.S.C. 154 (d)(4). 18. 🗆 A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4). 19. 🗆 20. Other items or information: Copy of cover page of International Publication No. П a. b. Ø Copy of Notification of Missing Requirements. International Search Report from the Patent Office C.

g. 🔲

10/584,988	n, see 37 CFR 1.5)	INTERNATIONAL APPLICA	TION NO.		ATTORNEY'S DO NUMBER	CKET
		PCT/EP2004/053545	_		10259.0001	
The following fees ha	ave been submitted:				CALCULATIONS	PTO Only
21.  BASIC NATIONAL F	FEE (37 CFR 1.492(a)):		\$300.00		\$	Oilly
22. Examination fee (37C	FR 1.492(c))	, u <u>-</u>		-		
If the Written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$	
Search fee (37 CFR 1.445(a)(2)) International Searching Au International Search Report prepa	S or the International preliming satisfy provisions of PCT A has been paid on the international preliming the international present by an ISA other than the to the US by the IB	Article 33(1)-(4)tional application to the USP1	\$0 FO as an \$100 se or \$400		\$	
	<del> </del>	1, 22 and 23 =			\$	
electronic medium) (	with 37 CFR 1.821(c) or (e) of	or computer program listing in				
Total Sheets	Extra Sheets	Number of each additional thereof (round up to a who		Rate		
- 100 =	/50=			x \$250.00	\$	
Surcharge of \$130.00 for furnishin commencement of the national st		mination fee, or the oath or d	eclaration after the da	ate of	\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total Claims	-20 =	=	x \$50.0	0	\$	
Independent Claims	ent Claims -3 = x \$200.00		00	\$		
MULTIPLE DEPENDENT CLAIM	(S) (if applicable)		+\$360.0	0	\$	
		TOTA	L OF ABOVE CALC	ULATIONS =	\$130.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					\$	
SUBTOTAL =					\$130.00	
Processing fee of \$130.00 for furr 1.492(i)).	nishing the English translation	n later than 30 months from th	ne earliest priority dat	e (37 CFR +	\$	
			TOTAL NATI	ONAL FEE =	\$130.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.					\$	
					1	<u> </u>
			TOTAL FEES E	NCLOSED =	<b>\$</b> 130.00	
			TOTAL FEES E	NCLOSED =	\$130.00 Amount to be refunded:	\$
cover sheet (37 CFR 3.28, 3.31).				NCLOSED =	Amount to be	\$
a. 🛛 A check in the amount of	of \$130.00	to cover the above fe	es is enclosed.		Amount to be refunded: charged:	
cover sheet (37 CFR 3.28, 3.31).	of \$130.00 osit Account No	to cover the above fe	es is enclosed.		Amount to be refunded:	
a.  A check in the amount of the duplicate copy of this  C.  The Commissioner is he	of \$130.00 osit Account No	in the amount of \$	es is enclosed.	to cover t	Amount to be refunded: charged:	\$
a. ⊠ A check in the amount of b. ☐ Please charge my Depo A duplicate copy of this c. ⊠ The Commissioner is he No. 06-0916 . A duplicate d. ☐ Fees are to be charged	of \$	in the amount of \$  ny additional fees which may used.  Information on this form may	es is enclosed. be required, or credit	to cover t	Amount to be refunded: charged: he above fees.	\$ unt
a.   A check in the amount of the control of the c	of \$ 130.00  osit Account No. sheet is enclosed.  ereby authorized to charge at ate copy of this sheet is enclote to a credit card. WARNING: credit card information and at	in the amount of \$nny additional fees which may used.  Information on this form may uthorization on PTO-2038.	be required, or credit	to cover t any overpaym dit card infor	Amount to be refunded: charged: he above fees. hent to Deposit Accommation should not lead to be refunded.	\$ unt
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a.   A check in the amount of the company of this form. Provide of this form. Provide of this form of the company	of \$	in the amount of \$	be required, or credit	to cover to any overpayment to ard inform R 1.137(a) or	Amount to be refunded: charged: he above fees. hent to Deposit Accommation should not lead to be refunded.	\$ unt

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### United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address. COMMISSIONER FOR PATENTS FO. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

I.A. FILING DATE

12/16/2004

FIRST NAMED APPLICANT ATTY. DOCKET NO. U.S. APPLICATION NUMBER NO. 10/584,988

Alexis Debut

10259.0001

PRIORITY DATE

12/30/2003

INTERNATIONAL APPLICATION NO.

PCT/EP04/53545

22852 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER

901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

RECEIVED

FEB 2 3 2007

**CONFIRMATION NO. 7846 371 FORMALITIES LETTER** 

\*OC000000022554591\*

Date Mailed: 02/20/2007

FINNEGAM HENDERSON, FARABOW. GARRETI AND DUNNER, LLP

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/29/2006
- Copy of the International Search Report filed on 06/29/2006
- Preliminary Amendments filed on 06/29/2006
- Information Disclosure Statements filed on 06/29/2006
- U.S. Basic National Fees filed on 06/29/2006
- Priority Documents filed on 06/29/2006
- Specification filed on 06/29/2006
- Claims filed on 06/29/2006
- Abstracts filed on 06/29/2006
- Drawings filed on 06/29/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. <a href="https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html">https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html</a>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <a href="http://www.uspto.gov/ebc.">http://www.uspto.gov/ebc.</a>

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

#### PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/584,988	PCT/EP04/53545	10259.0001

FORM PCT/DO/EO/905 (371 Formalities Notice)